

5(2),5(3)

AUTHORS: Viktorova, Ye.A., Shuykin, N.I., Kirilenko, L.A., Sov/55-58-4-30/31  
and Korosteleva, G.S.TITLE: Contact-Catalytic Change of the Phenoles. IV. Alkylation of  
n-Cresol by Isoamylanes (Kontaktno-kataliticheskiye pravash-  
cheniya fenolov. IV. Alkiliruvaniye n-kresola isooazilenami)PERIODICAL: Vestnik Moskovskogo universiteta, Seriya matematika, mehanika, astrono-  
mija, fizika, khimiya, 1958, № 4, pp 231-234 (USSR)ABSTRACT: The authors investigate the alkylation of n-cresol by 1-methyl-  
butene-2, 2-methylbutene-1, and 2-methylbutene-3 in presence of  
zinc chloride. The alkylation took place in the autoclave at 150°  
and 2-3 atmospheres pressure. In all cases the authors obtained  
4-methyl-2-tertiary-amylphenol; the corresponding isoamyl esters  
of the n-cresol did not appear.  
There is 1 table, and 5 references, 2 of which are Soviet, and  
3 American.

ASSOCIATION: Kafedra khimii nefti (Chair of Petroleum Chemistry)

SUBMITTED: October 2, 1957

Card 1/1

S/073/60/026/002/007/015  
B023/B067

AUTHORS: Minenko, V. I., Petrov, S. M., and Kirilenko, L. F.

TITLE: Study of the System PbO - SiO<sub>2</sub> by the Method of Electro-motive Forces

PERIODICAL: Ukrainskiy khimicheskiy zhurnal, 1960, Vol. 26, No. 2,  
pp. 195-197

TEXT: The authors studied the PbO - SiO<sub>2</sub> system by the emf method at 940°C in a concentration range where this system is homogeneous. Concentration chains Pt/PbO(c<sub>1</sub>) + SiO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub>/SiO<sub>2</sub> + PbO(c<sub>2</sub>)/Pt were studied. A eutectic with the following composition served as standard melt: 29.6 wt% SiO<sub>2</sub> and 70.4 wt% PbO. The data obtained proved the dependence of emf on the composition. In the melts of the PbO - SiO<sub>2</sub> system corresponding to the formulas 4PbO·SiO<sub>2</sub>, 2PbO·SiO<sub>2</sub>, PbO·SiO<sub>2</sub>, and 2PbO·3SiO<sub>2</sub>, the authors observed sudden changes of emf. This indicates that four types of

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Study of the System  $\text{PbO} - \text{SiO}_2$  by the Method of Electromotive Forces S/073/60/026/002/007/015  
B023/B067

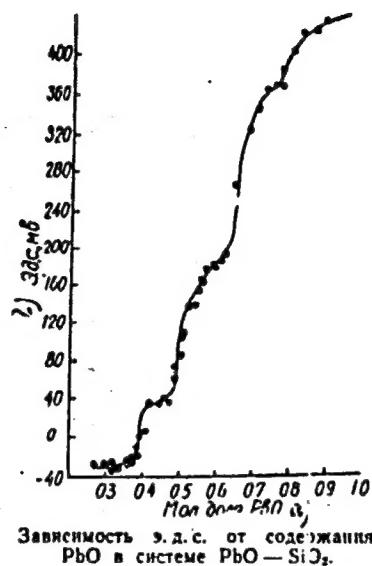
✓  
Ionic complexes are present in these melts. On the basis of the values obtained for sudden changes of emf, the authors note that the compounds corresponding to the formulas  $2\text{PbO} \cdot \text{SiO}_2$ ,  $\text{PbO} \cdot \text{SiO}_2$ , and  $2\text{PbO} \cdot 3\text{SiO}_2$  are sufficiently stable, whereas the stability of the complex corresponding to the formula  $4\text{PbO} \cdot \text{SiO}_2$  was low under the experimental conditions. A figure illustrates the dependence of emf on the  $\text{PbO}$  content in the system  $\text{PbO} - \text{SiO}_2$ . Legend to the figures: a) molar fraction of  $\text{PbO}$ ; b) emf expressed in mv. There are 1 figure and 14 references: 11 Soviet and 3 US.

ASSOCIATION: Khar'kovskiy inzhenerno-ekonomicheskiy institut, laboratoriya fizicheskoy khimii (Khar'kov Institute of Management Engineers, Laboratory of Physical Chemistry)

SUBMITTED: December 15, 1958

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S/073/60/026/002/007/015  
B023/B067



Зависимость э. д. с. от содержания  
PbO в системе PbO — SiO<sub>2</sub>.

Card 3/3

GUREYEV, I.F., inzhener; KIRILLENKO, L.P.

Assembly-line brigade method of work organization in a machine  
shop. Der.prom.4 no.6:22-23 Je'55 (MLRA 8:10)

1. Vitebskaya mebel'naya fabrika  
(Assembly-line methods) (Vitebsk--Furniture industry)

REVA, A.D.; KIRILENKO, N.S. [Kyrylenko, N.S.]

Investigating glucose and oxygen consumption by nerve tissues  
of different regions of the lumbar enlargement of the spinal  
cord. Ukr.biokhim.zhur. 31 no.2:224-229 '59. (MIRA 12:6)

1. Department of Physiology and Biochemistry of Man and Animals  
of the State University of Dnepropetrovsk.  
(SPINAL CORD) (GLUCOSE) (OXIDATION, PHYSIOLOGICAL)

ANTSYSHKINA, L.M.; KIRILENKO, N.S.; MAMONTOV, V.Ya.; MEL'NIKOV, G.B.;  
RYABOV, F.P.

Keeping fish in hermetic aquariums with Chlorella and without  
it. Probl. kosm. biol. 4:646-654 '65. (MIRA 18:9)

*KIRILENKO, N.*

*PA*

*15-*

Action of direct current on soil in making it water-resistant. P. V. Vershman and N. V. Kirilenko. *Polydor* (U. S. S. R.) 1940, No. 3, 92-102 (in German, 102-11). Soil particles have an inner crystal structure and an outer gel structure. Water-resistant aggregates certain organic mineral complexes, in which humins oxidize act as cement aggregates. Soil containing humins may lack water resistance if the colloid layers of soil particles are too much hydrated (intraionic swelling). It was expected that removal of lyotropic ions from such aggregates by passing a d. c. through the soil would help formation of water-resistant aggregates. Such action of current was fully confirmed, and in addn. it was shown that the nature of this effect is due exclusively to the action of the electric field formed in the soil between the electrodes, and the percentage of stable aggregates formed was found directly proportional to the strength of the field and to the time period, i. e., to the amount of elec. energy used. Removal, by the current, of ions from the larger particles produced dehydration of the humic acid. Addn. of humins to peat soils increases the effect of the d. c., by increasing the percentage of water-resistant aggregates. Destruction of org. matter in soil with H<sub>2</sub>b reduces the effect of the current. Yet even such humus-free soil was rendered more water resistant by the current action.

C. S. Shapiro

ASA-16A METALLURGICAL LITERATURE CLASSIFICATION

KIRILENKO

CA

15

The diffusion of carbon dioxide through the soil. P. V. Vershinin and N. V. Kirilenko, *Pochvovedenie* (Pedology) 1948, 223-8. — Diffusion of  $CO_2$  is accord. with the effective porosity of the soil (total porosity minus the pore space taken up by the moisture). The individual character of the pores has no bearing on the speed of the diffusion except for mono-aggregated soils with particles larger than 0.8 mm. Under these conditions diffusion takes place in direct proportion to the pore spaces, and not to the square of the pore space as claimed by Buckingham (U.S. Dept. Agr., Bur. of Soils, Bull. 25, (1934)). In structureless soils, diffusion depends not only on the total effective porosity but also on the continuity of the pores, i.e., the presence of breaks or obstructions in the pore-space channels. J. S. Joffe

ASA-11A METALLURGICAL LITERATURE CLASSIFICATION

SEARCHED	INDEXED	FILED	SEARCHED	INDEXED	FILED
20	10	10	20	10	10

KIRILENKO, N. V.

USSR/Hydrology  
Water, Underground  
Soil Studies

Mar/Apr 49

"Nonfreezing Water in the Soil," P. V. Vershinin, Corr Mem, Acad Sci USSR, B. V. Deryagin, N. V. Kirilenko, 7 pp

"Iz Ak Nauk SSSR, Ser Geog i Geofiz" No 2

Two basic factors prevent freezing of all water in the ground during freezing process: (1) difference between freezing point of polymolecular water layers on soil surface and normal freezing point, and (2) expansion of water during transformation to ice, which hinders freezing in narrow gaps. Five diagrams show results of tests.

Submitted 30 Oct 48.

PA 43/49T 71

KIRILENKO, O.A.

Perforating gastric ulcer in an 11-year-old child. *Khirurgia*  
n.7:83 J1 '55. (MLRA 8:12)

1. In Slavyanskoy gorodskoy bol'nitsy imeni I.V.Lenina.  
(STOMACH--ULCERS)

KIRILENKO, O.A.

Intratesticular injection of scarlet fever allergen as a method for  
the determination of infection allergy in rabbits. Zhur.mikrobiol.  
epid. i immun. 27 no.4:78-82 Ap '56. (MLRA 9:7)

1. Is kafedry mikrobiologii Odesskogo meditsinskogo instituta  
imeni N.I.Pirogova.

(SCARLET FEVER, exper.

intratesticular inject. of scarlet fever allergen for  
determ. of infect. allergy in rabbits, eff. of previous  
sensibilization)

17(12)

SOV/177-52-9-9/51

AUTHOR: Kirilenko, O.A.

TITLE: Sulfur Therapy of Gas Gangrenes, Caused by Bac. Perfringens

PERIODICAL: Voyenno-meditsinskiy zhurnal, 1958, Nr 9, pp 31-34  
(USSR)

ABSTRACT: S.M. Minervin, K.I. Chervyakova and M.I. Choporova proved that in experimental infection in guinea pigs caused by Bac. perfringens, toxin - hemolytic poison - can be found in the infection focus already 4-5 hours after infection. The larger the infecting dose of microbes, the earlier the toxin was revealed. In other parts of the infected organism, toxin could not be found by laboratory methods. Toxin of Bac. oedematiens remains in the wound to a small extent. It quickly gets into the blood stream and here it rapidly reaches high concentrations (S.M. Minervin and S.P. Zhak). L.A. Chernya's tests have shown that the quickest maximum concentration of antitoxin is created in intravenous injection of antitoxic antigangrenous serum.

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SOV/177-58-9-9/51

Sulfur Therapy of Gas Gangrenes, Caused by Bac. Perfringens

The author of this article studied the healing effect of intramuscular injection of antigangrenous serum around the focus of the gas gangrene and compared this method with other methods of serum introduction (intramuscular and intravenous). For this purpose, 4 test series on 48 guinea pigs were performed. It was proved that local application of antitoxic antigangrenous serum by means of infiltrating the muscles around the infection focus 3-4 hours after infection protects guinea pigs from death, and supports the favorable course of the gas gangrene. The same doses were inefficacious in intramuscular injection in the remote group of muscles. Another experiment confirmed that local application of antitoxic antigangrenous serum by means of infiltrating the muscles around the focus where the cultures were introduced is more effective than serum injected directly into the blood. The best healing effect in experimental gas gangrene

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Sulfur Therapy of Gas Gangrene, Caused by Bac. Perfringens

SOV/177-58-9-9/51

was obtained by intramuscular injection of antitoxic  
antigangrenous sera by means of infiltrating the  
soft tissues adjacent to the focus of the gangrenous  
infection.

Card 3/3

KIRILENKO, O.A.

Studies on the combined effect of Clostridium tetani and Staphylococcus toxins. Zhur.mikrobiol.epid. i imun. 30 no.1:68-72 Ja '58.  
(MIRA 12:3)

1. Iz kafedry mikrobiologii Odesskogo meditsinskogo instituta.  
(MICROCOCCUS PYOGENES,  
Clostridium tetani toxin, combined eff. (Rus))  
(CLOSTRIDIUM TETANI,  
toxin, combined eff. with Micrococcus pyogenes  
toxin (Rus))

KIRILENKO, O.A.

Observations on the simultaneous action of Clostridium tetani and  
Proteus vulgaris toxins. Zhur. mikrobiol., epid. i imm. 41 no. 2;  
128-132 F '64.  
(MIRA 17:9)

1. Odesskiy meditsinskiy institut imeni Pirogova.

KIRILENKO, O.A.

Observations on experimental mixed tetanic and staphylococcal infections. Zhur. mikrobiol., epid. i immun. 41 no.3:118-122 Mr '64.  
(MIRA 17:11)

1. Odesskiy gosudarstvennyy meditsinskiy institut imeni Pirogova.

KIRILENKO, O. I., MINERVIN, S. M., POZDNEV, I. Ya.

Inception of tetanus toxin in the muscles and its  
distribution in the body. Zhurnal Biroa. Epidemiologii  
42 no. 10:105-111. 3 1965. (MIR 18:11)

1. Olszaksky Medical Research Institute, Warsaw, Poland.  
Submitted March 3, 1964.

L 30988-66 EWT(1)/EWA(j)/EWA(b)-2 RO  
ACC NR: AP5003602

SOURCE CODE: UR/0016/65/000/010/0105/0111

AUTHOR: Kirilenko, O. A.; Minervin, S. M.; Rozanov, A. Ya.

ORG: Odessa Medical Institute im. N. I. Pirogova (Odesskly meditsinskiy institut)

TITLE: Absorption of tetanus toxin- $I^{131}$  from the muscles and its distribution throughout the organism

SOURCE: Zhurnal mikrobiologii, epidemiologii i immunobiologii, no. 10, 1965, 105-111

TOPIC TAGS: microbiology, systemic toxin, radioisotope, physiology

ABSTRACT: Previous work has shown the hematogenic route of toxin distribution in tetanus and demonstrated the low permeability of the meninges of the brain to the toxin. In the present work, a more quantitative determination was attempted using purified tetanus toxin labeled with radioactive  $I^{131}$ . The toxin was injected into the right hip muscle of 8 guinea pigs and 25 white mice (susceptible to tetanus) and 8 frogs (refractile) in doses of 0.1, 0.05, and 0.01, respectively. The distribution of the toxin in the body was determined 15, 30, 60, 120 minutes and 22 hours

UDC: 615.372 : 576.851.551-032 : 611.73+615.372 : 576.851-55'1-033

Card 1/2

KIRILENKO, P.; PROTOPOPOVA, O.

Seventieth anniversary of the Poltava Meteorological Station.  
Meteor. i gidrol. no.2:60 P '56. (MLRA 9:6)  
(Poltava--Meteorological observatories)

KIRILENKO, F.

KIRILENKO, F., inzhener.

Shaped facing tiles. Stroi. mat. 3 no.4:4 Ap '57. (MLRA 1C:6)  
(Kiev--Tiles)

KIRILENKO P. *Opisaniye i ogranicheniya*

C

5-

Use of briquetted glass charge. P. V. KIRILENKO. *Lesgaz Prom.*, 11 [2] 33-34 (1981).—At the Khar'yanovsk glassworks, the sand is moistened with water (4.5% by weight of total charge), mixed with chalk, soda, and sulfate, and shaped into 10 gm. briquettes, using a pressure of 1000 kg./cm.<sup>2</sup>. By adding hydrosilicates of Mg and Ca the pressure can be reduced to 300 kg./cm.<sup>2</sup>, but this makes it more difficult to maintain a given composition of glass. Fluorspar is added in an amount of 0.8% by weight of the charge. Glassmelting takes place at 1330° to 1340°C. Compared with ground charge, the advantages of briquettes are lower melting temperature, larger output, better quality of glass, and a longer campaign. B.Z.K.

## ASS-11A METALLURGICAL LITERATURE CLASSIFICATION

24(2)

SOV/20-127-2-21/70

AUTHORS: Tylkina, M. A., Kirilenko, R. V., Savitskiy, Ye. M.

TITLE: The Diagram of Recrystallization of Hafnium

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 127, Nr 2, pp 310-312  
(USSR)

ABSTRACT: It is the object of the present study to determine some of the properties of hafnium and to investigate recrystallization- and deformation-processes. From metallographic and X-ray analyses, as well as by determining hardness, the authors derived the recrystallization diagram shown in figure 1. Hafnium is a dimorphous metal, the hexagonal  $\alpha$ -modification changing into the cubic body-centered  $\beta$ -modification at higher temperatures. Hafnium iodide bars of coarse structure were used as original material. The physical properties of these Hafnium iodide bars are given together with a description of the elimination of the coarse structure. The deformation was carried out in eight steps from ranging 5% to the maximally tolerable deformation of 60%. Vacuum-annealing was performed in seven stages between 750 and  $1550^{\circ}$  C. Recrystallization set in at  $1000^{\circ}$  C after 10%

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## The Diagram of Recrystallization of Hafnium

SOV/20-127-2-21/70

deformation, at 850° C after 20% deformation, and at 750° C after 40% or more deformation. Annealings within the temperature range of the  $\alpha$ -modification yield a fine-grained polyeder structure with grain sizes of between 25 and 40  $\mu$  after 30% to 45% deformation. Annealings above the temperature of the polymorphous transition gives a coarser grain (240  $\mu$ ) and a marked structural change. The similarity of the deformation- and recrystallization properties between hafnium, titanium and zirconium is pointed out. Also, their  $\alpha$ - and  $\beta$ -modifications are compared and their high plasticity stressed. By their hardness and cold workability they are arranged in the following order: titanium - zirconium - hafnium. It follows from the recrystallization diagrams of the

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The Diagram of Recrystallization of Hafnium

SOV/20-127-2-21/70

three metals that they also have similar grain sizes. Finally, the temperature stability of these metals and their alloys is emphasized. There are 3 figures and 11 references, 6 of which are Soviet.

ASSOCIATION: Institut metallurgii im. A. A. Baykova Akademii nauk SSSR  
(Institute for Metallurgy imeni A. A. Baykov of the Academy of Sciences, USSR)

PRESENTED: March 26, 1959, by I. P. Bardin, Academician

SUBMITTED: March 25, 1959

Card 3/3

SAVITSKIY, Ye.M.; TYLKINA, M.A.; KIRILENKO, R.V.; KOPETSKIY, Ch.V.

Phase diagram of the system manganese - rhenium. Zhur.neorg.khim.  
6 no.6:1474-1476 Je '61. (MIRA 14:11)

1. Institut metallurgii im. A.A.Baykova AN SSSR.  
(Manganese-rhenium alloys)

BOCHKOVSKAYA, I.V., gornyy inzh., red.; BONDARENKO, Yu.A., gornyy ibzh., red.; VELICHKO, A.P., gornyy inzh., red.; GONTARENKO, V.A., gornyy inzh., red.; OSTASHEVSKIY, G.Ye., gornyy inzh., red.; OKUNEV, A.L., gornyy inzh., red.; KIRILENKO, R.Ye., gornyy inzh., red.; LADOZHINSKIY, V.N., gornyy inzh., red.; LOBAS, A.S., gornyy inzh., red.; MAKAROVA, N.I., gornyy inzh., red.; POLYANSKIY, I.S., gornyy inzh., red.; SHTUNDER, I.I., gornyy inzh., red.; ARSENT'YEV, A.I., kand. tekhn. nauk, otv. red.; PROZOROVSKIY, Ye.G., tekhn. red.

[Handbook on engineering standardization for open-pit mining]  
Spravochnik po tekhnicheskemu normirovaniyu otkrytykh gornykh  
rabot. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu  
delu, 1961. 264 p. (MIRA 14:10)

1. Krivoy Rog. Gornorudnyy institut.  
(Strip mining—Standards)

KIRILENKO, T. S.

KIRILENKO, T. S. --"Parasitic Fungus of Oak and Physiological Investigations of Diseased Vegetation." \*(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Acad Sci Ukrainian SSR, Inst of Botany, Kiev, 1955

SO: Knizhnaya Letopis', No. 25, 18 Jun 55

\* For <sup>D</sup>egree of Candidate in Biological Sciences

KIRILENKO, T. S. [Kyrylenko, T.S.]

1965

Fungi of the genus Aspergillus in the rhizosphere of barley and  
oats in the districts of Poltava of the Ukrainian S.S.R. Mikro-  
biol. zhur. 27 no.4:22-27 '65. (MIRA 18:8)

I. Institut mikrobiologii i virusologii AN UkrSSR.

KIRILENKO, T.S.

Active acidity of the cell fluid in oak leave tissue infected with  
powdery mildew. Bot.shur. [Ukr.] 12 no.4:93-97 '55. (MLRA 9:3)

1. Institut entomologii i fitopatologii AN UkrSSR.  
(Oak--Diseases and pests)

KIRILENKO, T.S. [Kyrylenko, T.S.]

Quantitative and generic composition of fungi in the rhizosphere of  
barley and oat in the Polissye districts of the Ukrainian S.S.R.  
Mikrobiol. zhur. 26 no.4:54-60 '64. (MIRA 18:10)

KIRILENKO, T.S. [Kyrylenko, T.S.]

Fungi of the order Mucorales in the rhizosphere of barley  
and oat of the Polesye districts of the Ukrainian S.S.R.  
Mikrobiol. zhur. 27 no. 5:16-23 '65. (MIRA 18:10)

1. Institut mikrobiologii i virusologii AN UkrSSR.

USSR/Plant Physiology - General

I.

Abs Jour : Ref Zhur - Biol., No 21, 1958, 95602

Author : Kirilenko, T.S.

Inst :

Title : Indicators of Resistance of Oak Leaves to Powdery Mildew.

Orig Pub : Ukr. botanichniy zh., 1957, 14, No 3, 78-83

Abstract : In the Feofaniye AS Ukrainian SSR forestry in the environs of Kiev, leaves which do not possess infection were compared: leaves of average type of the adult oak (*Quercus robur*) relatively resistant to *Microphaera albitoides* with susceptible leaves of year-old seedlings and shoots, as well as old resistant leaves of seedlings with young infected leaves. In leaves of different resistances, there were found increased activity of peroxidase, catalase, but reduced general oxidizability and intensity of respiration. Bibliography, 20 titles. -- B.Ye. Kravtsova

Card 1/1

- 4 -

BRATUS', V.N. [Bratus', V.M.]; KIRILENKO, T.S. [Kyrylenko, T.S.]

Rate of wood destruction by *Phellinus pini* at different heights of  
the trunk, Ukr. bot. zhur. 17 no.4:46-53 '60. (MIRA 13:9)

1. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk, Kiyev.  
(Wood-decaying fungi)

YOUNG, T. S. (Hydrology, 286)

Species of the genus *Microtus* of the subgenus *longicaudus* in the eastern part of the Polissye district of the Ukrainian SSR. (Continued). (cont'd. 282) zhur. 27 no.232-29 '61.

1. An object's **affordance** is the way it can be used.

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000722620013-8"

ZIMENKO, V.; KIRILENKO, V.; KOGAN, S.M., red.; BAIKHTIYAROV, A., tekhn.red.

[Margelan silk] Margelanskii shelk. Tashkent, Gos.izd-vo UzSSR,  
(MIRA 13:4)  
1959. 53 p.  
(Margelan--Silk manufacture)

KIRILENKO, V. A.; YURCHAK, F. F.

Diagnostic significance of the intracutaneous test using the  
patient's own blood serum in infectious hepatitis. Vrach. delo  
no. 6:112-114 Je '62. (MIRA 15:7)

1. Kafedra infektsionnykh bolezney (zav. - dotsent F. F. Yurchak)  
Vinnitskogo meditsinskogo instituta.

(SERUM DIAGNOSIS) (HEPATITIS, INFECTIOUS)

LATENKO, Ya.P., kand.med.nauk; KIRILENKO, V.A.; ZALEVSKIY, L.N.

Case of anthrax as a result of careless handling of vaccine. Vrach.  
(MIRA 14:4)  
deIlo no. 3:122-123 Mr '61.

1. Kafedra infektsionnykh bolezney (zav. - dotsent F.F. Yurchak)  
Vinnitskogo meditsinskogo instituta i Vinnitskaya oblastnaya  
sanitarno-epidemiologicheskaya stantsiya.  
(ANTHRAX)

KIRILENKO, V.A.

Intradermal test with an autoserum of the patient's blood in Botkin's disease. Zhur.mikrobiol.,epid.i immun. 40 no.12:72-75 D '63.  
(MIRA 17:12)

1. Iz Vinnitskogo meditsinskogo instituta imeni Pirogova.

KIRILENKO, V. G.

PA 243T51

USSR/Mining - Hydraulicking, Equipment 30 Sep 52

"Hydraulic Giant With Remote Control and Telescopic Shifting Device," Engrs A. V. Kot, V. G. Kirilenko, Giproorgpromzhilstroy of Min of Coal Industry

"Byul Stroit Tekh" No 18, pp 20,21

Briefly describes GBB-250 monitor, which may be moved up to 6 m toward working face during hydraulicking operation by workman at control desk located at safe distance. Remote control permits keeping monitor in position where operation gives maximum effectiveness which is especially high in undercutting operation.

243T51

KIRILENKO, V. G.

AGALINA, M.S., inzh.; AKUTIN, T.K., inzh.; APRESOV, A.M., inzh.; ARISTOV, S.S., kand. tekhn. nauk.; BELOSTOTSKIY, O.B., inzh.; BERLIN, A.Ye., inzh.; BESSKIY, K.A., inzh.; BLYUM, A.M., inzh.; BRAUN, I.V., inzh.; BRODSKIY, I.A., inzh.; BURAKAS, A.I., inzh.; VAINMAN, I.Z., inzh.; VARSHAVSKIY, I.N., inzh.; VASIL'YEVA, A.A., inzh.; VORONIN, S.A., inzh.; VOYTSEKHOVSKIY, L.K., inzh.; VRUBLEVSKIY, A.A., inzh.; GERSHMAN, S.G., inzh.; GOLUBYATNIKOV, G.A., inzh.; GORLIN, M.Yu., inzh.; GRAMMATIKOV, A.N., inzh.; DASHEVSKIY, A.P., inzh.; DIDKOVSKIY, I.L., inzh.; DOBROVOL'SKIY, N.L., inzh.; DROZDOV, P.F., kand. tekhn. nauk.; KOZLOVSKIY, A.A., inzh.; KIRILENKO, V.L., inzh.; KOPELYANSKIY, G.D., kand. tekhn. nauk.; KORETSKIY, M.M., inzh.; KUKHARCHUK, I.N., inzh.; KUCHER, M.G., inzh.; MERZLYAK, M.V., inzh.; MIRONOV, V.V., inzh.; NOVITSKIY, G.V., inzh.; PADUN, N.M., inzh.; PAMKRAT'YEV, N.B., inzh.; PAREHOMENKO, V.I., kand. biol. nauk.; PINSKIY, Ye.A., inzh.; POILUBNYY, S.A., inzh.; PORAZHENKO, F.F., inzh.; PUZANOV, I.G., inzh.; REDIN, I.P., inzh.; HEZNIK, I.S., kand. tekhn. nauk.; ROGOVSKIY, L.V., inzh.; HEDERMAN, A.G., inzh.; RYBAL'SKIY, V.I., inzh.; SADOVNIKOV, I.S., inzh.; SEVER'YANOV, N.N., kand. tekhn. nauk.; SEMESHKO, A.T., inzh.; SIMKIN, A.Kh., inzh.; SURDUTOVICH, I.N., inzh.; TROFIMOV, V.I., inzh.; FEFER, M.M., inzh.; TIALKOVSKIY, A.M., inzh.; FRISHMAN, M.S., inzh.; CHERESHNEV, V.A., inzh.; SHESTOV, B.S., inzh.; SHIFMAN, M.I., inzh.; SHUMYATSKIY, A.F., inzh.; SHCHERBAKOV, V.I., inzh.; STANCHENKO, I.K., otv. red.; LISHIN, G.I., inzh., red.; KRAVTSOV, Ye.P., inzh., red.; GRIGOR'YEV, G.V., red.; KAMINSKIY, D.N., red.; KRASOVSKIY, I.P., red.; LEYTMAN, L.Z., red. (deceased); GUREVICH, M.S., inzh., red.; DANILEVSKIY, A.S., inzh., red.; DEMIN, A.M., inzh., red.; KAGANOV, S.I., inzh., red.; KAUFMAN, B.N., kand. tekhn. nauk., red.; LISTOPADOV, N.P., inzh., red.; MENDELEVICH, I.R., inzh., red. (deceased); (continued on next card)

AGALINA, M.S.... (continued) Card 2.

PENTKOVSKIY, N.I., inzh., red.; ROZENBERG, B.M., inzh., red.; SLAVIN, D.S., inzh., red.; FEDOROV, M.P., inzh., red.; TSYMBAL, A.V., inzh., red.; SMIRNOV, L.V., red. izd-va.; PROZOROVSKAYA, V.L., tekhn. red.

[Mining ; an encyclopedic handbook] Gornoe delo; entsiklopedicheskii spravochnik. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po ugol'noi' promyshl. Vol. 3.[Organization of planning; Construction of surface buildings and structures] Organizatsiya proektirovaniia; Stroitel'stvo zdanii i sooruzhenii na poverkhnosti shakht. 1958. 497 p. (MIRA 11:12)

(Mining engineering)

(Building)

KIRILENKO, V.S., kand. tekhn. nauk

Taking photographs of transversal profiles in terrestrial  
stereophotogrammetric surveying. Trudy NIIZHT 26:121-124 '62.  
(MIRA 16:8)

(Railroads—Surveying) (Photogrammetry)

SHVEDCHIKOV, A.I., inzh.; KIRILENKO, V.S., kand. tekhn. nauk

Functional relationship between the geometric elements of the  
topographic map and the vertical projection of the relief.  
Trudy NIIZHT 26:125-134 '62. (MIRA 16:8)

(Surveying)

KIRILENKO, V.S., kand.tekhn.nauk

Vertical projections of ~~some~~ mountain relief types. Trudy  
NIZHT no.30:63-72 '62.

Sphere of use and future development of land stereophotogram-  
metric surveying in railroad surveys. 73-84

Use of land stereophotogrammetry to determine analytically  
the volumes in railroad engineering. 97-99 (MIRA 16:9)

KIRILENKO, V.S., insh.

Using phototheodolites in surveying the Abakan - Taishet railroad line. Transp.stroi. 9 no.10:35-37 0 '59.  
(MIRA 1:2)  
(Theodolites) (Siberia--Railroads--Surveying)

S/006/60/000/011/003/004  
B012/B067

AUTHOR: Kirilenko, V. S.

TITLE: Use of a Phototheodolite Survey in Technical Prospecting

PERIODICAL: Geodeziya i kartografiya, 1960, No. 11, pp. 50-54

TEXT: In 1958-1959, experiments were made of using phototheodolite surveys in technical prospecting on the steep mountain slopes along the Abakan-Tayshet and Askiz-Abaza railroad lines. A contact copy is shown to illustrate the working conditions and the relief. A definite method of line tracing was developed and tested in the evaluation of surveying data during office work. The cross sections and longitudinal sections of the railroad embankment are set up by measuring the spatial model of the area. To determine and select the characteristic points in the terrain, the instrument mark must be adjusted to the given alignment in measuring the negatives on the stereocomparator. Only then can the point be determined with the high accuracy necessary for phototheodolite surveys. In prospecting railroad constructions, the photobase can mostly be applied such that an ordinary phototheodolite survey is possible in the entire section.

Card 1/2

Use of a Phototeodolite Survey in  
Technical Prospecting

S/006/60/000/011/003/004  
B012/B067

All data given here refer to surveys of this kind. Surveying according to the new method is described. It has the following essential advantages over profile surveying by means of optical range finders: 1) Alignment and characteristic points need not be specially marked in the terrain, 2) measuring accuracy is not reduced with increasing declivity, 3) no work is necessary in the danger zone during preparation and surveying, 4) high efficiency is warranted, 5) field work is reduced to a minimum, 6) office work is reliably controlled, 7) calculation can be automatized and mechanized (computers are connected with stereocomparators), 8) additional coordinates for any point can be obtained during office work, 9) all work can be done where the stereocomparator is mounted. The proyektny institut "Kavgiprotrans" (Planning Institute "Kavgiprotrans") and the proyektny institut "Sibgiprotrans" (Planning Institute "Sibgiprotrans") are mentioned. There are 1 figure and 1 table.

✓

Card 2/2

3,4000

S/035/61/00C/005/035/042  
A001/A101

AUTHOR: Kirilenko, V.S.

TITLE: On the problem of layout by means of special measurements of the stereo-model of the country

PERIODICAL: Referativnyy zhurnal. Astronomiya i Geodeziya, no. 5, 1961, 13, abstract 5094 ("Tr. Novosib. in-ta inzh. zh.-d. transp.", 1960, no. 21, 113 - 122)

TEXT: The author recommends to employ the phototheodolite survey for laying out road routes on slope and steep sections of the country; bases for photographing should be arranged approximately parallel to the future position of the layout and, if possible, at the same directional angle. Transverse and lengthwise profiles of the country are determined by measuring stereoscopic pairs. Formulae are given for calculating adjustment magnitudes, necessary to assure that the points being determined should lie in one range.

G. L.

[Abstracter's note: Complete translation]

Card 1/1

KIRILENKO, V. S., Cand Tech Sci -- "Problems of improving  
topographic geodetic ~~operations in~~ engineering prospectings on  
not easily accessible, precipitous ~~slopes~~ <sup>slopes</sup> *in the perfecting of*  
1961. (Min of Higher and Sec Spec Ed RSFSR. Novosibirsk  
Eng-Bldg Inst im V. V. Kuybyshev) (KL, 8-61, 244)

- 244 -

LYUTS, Aleksandr Fedorovich, prof.; SOROKIN, Vasiliy Pavlovich, dots.;  
FINKOVSKAYA, Tamara Semenovna, dots.; KOKOVIKHIN, Mikhail  
Fedorovich, inzh.; KIRILENKO, Vasiliy Sergeyevich, kand. tekhn.  
nauk; BELIKOV, Ye.F., dots., retsenzent; KHVOSTIK, I.F., red.;  
KOMAR'KOVA, L.M., red.izd-va; SUNGUROV, V.S., tekhn. red.

[Surveying in railroad engineering] Geodeziia v zheleznodorozh-  
nom dele; spravochnoe posobie. [By] Liutts, A.F. i dr. Moskva,  
Gedezizdat, 1962. 342 p. (MIRA 16:1)  
(Railroads—Surveying)

KIRILENKO, V.T.; KLOCHKO, I.K.; LAPIEUS, M.A., rec.

[Fattening on a commercial basis] Otkorm na promyshlennoi  
osnove. Moskva, Kolos, 1965. 26 p. (MIRA 18:7)

KIRILENKO, Yu.F.; VOL'F, L.A.; MEOS, A.I.; GIRDYUK, V.V.

Modification of polyvinyl alcohol and fibers based on it by  
means of diene synthesis. Zhur. prikl. khim. 38 no.7:1638  
Jl '65. (MIRA 18:7)

1. Leningradskiy institut tekstil'noy i legkoy promyshlennosti  
imeni Kirova.

ALIMOV, I.D. [translator]; KIRILENKO, Yu.I., kand.tekhn.nauk, red.;  
KRUGLIKOV, P.P., red.; ZOTOVA, N., tekhn.red.

[Flight trainers; collection of translations and surveys from  
the foreign periodical publications] Aviatsionnye trenazhery;  
sbornik perevodov i obzorov iz inostrannoi periodicheskoi lite-  
ratury. Pod red. Iu.I.Kirilenko. Monks, Izd-vo inostr.lit-ry,  
1959. 337 p. Translation from English and German. (MIRA 13:3)  
(Flight training)

KI-JILINKO, Yu.I., kand.tekhn.nauk., inzh.-pedpolkovnik

Automatic control system on board a fighter plane; from the foreign  
press. Vest.protivovozd.oior. no.1:42-46 Ja '61. (MIA 14:2)  
(Fighter planes--Controls)

ACC NR: AM6015015

Monograph

JR/

Dobronravov, Oleg Yevgen'yevich (Candidate of Technical Sciences); Kirilenko, Yuriy Innokent'yevich (Candidate of Technical Sciences, Docent)

Principles of automatic control, automata and aircraft control systems (Osnovy avtomaticheskogo regulirovaniya, avtomaty i sistemy upravleniya letatel'nykh apparatov) Moscow. Izd-vo "Mashinostroyeniye". 1965. 450 p. illus., biblio. Errata slip inserted. 5500 copies printed. Textbook for aviation technical schools.

TOPIC TAGS: nonlinear automatic control, automatic control design, aircraft control equipment, flight control system, linear control system, remote control system, engine control system

PURPOSE AND COVERAGE: The theoretical principles of automatic control for linear and nonlinear systems are discussed and their functional and dynamic elements described. The fundamentals of the theory of gyroscopes, autopilots, and flight vehicle power plant control systems are reviewed. Brief data on guidance systems, radio remote control, and preset guidance is given. The book is intended for students in technical schools and may be useful to technical personnel in the aviation industry.

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UDC:629.13:62-553(075.2)

ACC NR: AM6015015

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- Ch. 3. Sensing elements -- 22
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ACC NR: AM6015015

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SUB CODE: 13,01/ SUBM DATE: 09Oct65/ ORIG REF: 039/

Card 3/3

L 31990-66 EWT(1) SCTB DD/GD  
ACC NR: AT6012899

SOURCE CODE: UR/0000/65/000/000/0215/0228

AUTHOR: Volkov, A. A.; Denisov, V. G.; Kirilenko, Yu. I.; Mankevich, V. I.; Mel'nik, S. G.; Mikhaylovskiy, G. P.; Onishchenko, V. F.

57  
81

ORG: none

TITLE: The structure of the command signal and the psychophysiological capabilities of an operator in control while subjected to G force

SOURCE: Sistema chelovek i avtomat (Man-automaton systems). Moscow, Izd-vo Nauka, 1965, 215-228

TOPIC TAGS: man machine communication, automatic control theory, human engineering, biologic gravity effect, flight physiology, psychologic stress

ABSTRACT: Circuits containing a man-operator as one of their elements are extensively used in modern control systems. The case studied involves the control of the pitch of an aircraft in descent prior to landing. An experimental investigation is made of the psychophysiological characteristics of an operator during control under conditions of G force acting in the chest-back direction. It is found that with a G force below a certain limit, the operator is capable of controlling angular and trajectory movements if he receives a single control command. The structure of the control command should be identical with the principle of control of an automatic system; furthermore, a correction should be made in the

Card 1/2

L 31990-66  
ACC NR: AT6012899

command system, i.e., the dynamic properties of the operator should be corrected. Optimal structure of the control command may be selected by methods employed for automatic control systems. The quality of the control is considerably affected by its dynamic characteristics, by the preparation and the training of the operator, by perturbation factors, and by the organization of the working place of the man-operator. According to data obtained with the polyeffector method of recording physiological functions, an increase in G force acting on the man-operator leads to the execution of control functions which are unchanged in capacity at a high neuropsychic stress and at a lowered performance. The polyeffector method makes it possible to determine the neuropsychic activity of the operator under G force more fully. An objective evaluation of the processes employing the man-operator in the control circuit may be obtained as a result of analysis of the parameters of the motion dynamics of the controlled plant, the actions of the operator, and the degree of the operator's psychophysiological stress. Orig. art. has: 12 figures and 18 formulas. (08)

SUB CODE: 05 / SUBM DATE: 02Aug65 / ATD PRESS: 5-021

Card 2/2 LC

L 42034-66 EWT(m)/EWP(j)/T IJP(c) WW/RM

ACC NR: AP6011223 (A) SOURCE CODE: UR/0413/66/000/006/0060/0030

28  
3INVENTOR: Meos, A. I.; Vol'f, L. A.; Kirilenko, Yu. K.; Girdyuk, V. V.

ORG: none

TITLE: Method of chemical processing of polyvinyl alcohol.<sup>1</sup> Class 29, No. 179877

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 6, 1968, 60

TOPIC TAGS: polyvinyl alcohol, monomer, acrylonitrile, chemical treatment

ABSTRACT: An Author Certificate has been issued for a method of chemical processing of polyvinyl alcohol. To impart new properties such as a light resistance, dehydrated polyvinyl alcohol and its byproducts are treated with dienophilic monomers such as an acrylonitrile.<sup>1</sup> [Translation] [NT]

SUB CODE: 07/ SUBM DATE: 12Oct64/

Card 1/1 af

UDC: 677.494.744.72;677.864.512.15:547.339.211

L 41213-66 EWT(m)/EWP(j)/T IJP(c) WW/RM  
ACC NR: AP6015640 (A) SOURCE CODE: UR/0413/66/000/009/0059/0059

30  
B

INVENTOR: Kirilenko, Yu. K.; Vol'f, L. A.; Meos, A. I.

ORG: none

TITLE: Method for chemical treatment of polyvinyl alcohol. Class 29, No. 181236

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 9, 1966, 59

TOPIC TAGS: polyvinyl alcohol, tertiary amine, halogenation, chemical treatment

ABSTRACT: An Author Certificate has been issued for a method of chemical treatment of polyvinyl alcohol and its byproducts. To add nonflammability, anion-exchange capabilities, and antimicrobe properties, dehydrated polyvinyl alcohol or its byproducts are subjected to halogenation, followed by treatment with a tertiary amine such as a triethylamine. [Translation] [NT]

SUB CODE: 07/ SUBM DATE: 12Apr65/

Card 1/1

JS

UDC: 678.744.72:66.093.6.094.403

L 2947-66 EPA(s)-2/EAT(m)/ESP(j) RM

ACCESSION NR: AP5025005

UR/0286/65/000/016/0064/0064

AUTHOR: Meos, A. I.<sup>44,55</sup>; Vol's, L. A.<sup>44,55</sup>; Kirilenko, Yu. K.<sup>44,55</sup>

42

B

B

TITLE: Chemical treatment method for poly(vinyl alcohol) / Class 29, No. 173876

SOURCE: Byulleten' izobretens i tovarnykh znakov, no. 16, 1965, 64

TOPIC TAGS: polyvinyl alcohol, organic semiconductor, semiconducting polymer, dehydration

ABSTRACT: An Author Certificate has been issued for a chemical treatment method for poly(vinyl alcohol) involving dehydration on heating in an inert medium. To impart water resistance, thermal stability, semiconducting and other special properties to poly(vinyl alcohol) and products, the dehydration is carried out in a heterogeneous medium with dehydrating agents such as acid salts of alkali metals or benzenesulfonic acid.

[SM]

ASSOCIATION: none

SUBMITTED: 23Jun64

ENCL: 00

SUB CODE: OC 62

NO REF Sov: 000

OTHER: 000

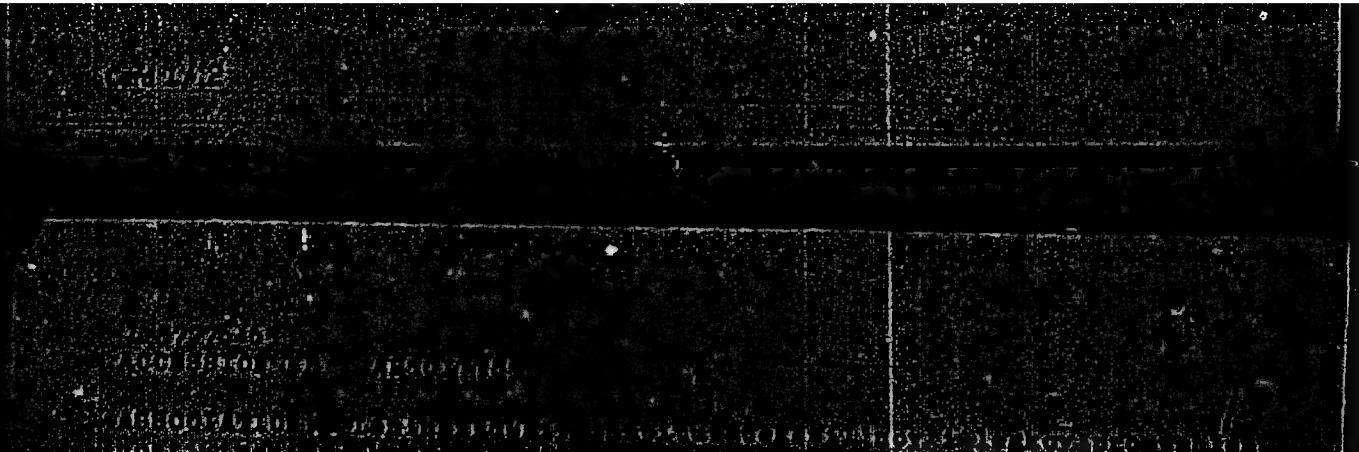
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APPROVED FOR RELEASE: 09/17/2001

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I 21168-66 ENT(m)/EXP(j)/T/ETC(m) 6 W/RM  
ACC NR: AP6009562

SOURCE CODE: UR/0413/66/000/005/0154/0154

INVENTOR: Meos, A. I.; Vol'f, L. A.; Kirilenko, Yu. K.

ORG: none

TITLE: Method for the chemical treatment of poly(vinyl alcohol). Class 29, No. 173876

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 5, 1966, 154

TOPIC TAGS: organic semiconductor, semiconducting polymer, polyvinyl alcohol, heat resistant polymer, water resistant polymer

ABSTRACT: An Author Certificate has been issued for a chemical treatment method for poly(vinyl alcohol) and end-products from it, involving dehydration on heating in an inert medium. To impart water- and heat-resistance<sup>15</sup> and semiconducting<sup>15</sup> and other special properties to the poly(vinyl alcohol) end-products, dehydration is carried out in a boiling solvent with acid salts of alkali metals or benzenesulfonic acid.

[SM]

SUB CODE: 11, 20/ SUBM DATE: 23Jun64/ ATD PRESS: 4222

APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000722620013-8  
Card 1/1

ACC NR: AP7002970

(A)

SOURCE CODE: UR/0413/66/000/024/0050/0050

INVENTOR: Orlov, N. F.; Vol'f, L. A.; Androsova, M. V.; Kirilenko, Yu. K.

ORG: none

TITLE: Preparative method for poly(vinyl alcohol)-based fireproof fibers, films or fabrics. Class 29, No. 189515

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 50

TOPIC TAGS: polyvinyl alcohol, fire resistant material, polymer

ABSTRACT: An Author Certificate has been issued for a method of preparing poly(vinyl alcohol)-based fireproof fibers, films or fabrics. The method involves treatment of dehydrated fibers, films or fabrics with dialkyl hydrogen phosphites.

SUB CODE: 11/ SUBM DATE: 12Jul65/ ATD PRESS: 5112

Card 1/1

UDC: 677.494.744.72:66.093.6

L 11980-66 EWT(m)/EMP(1)/T RM

ACC NR. AP6000686

SOURCE CODE: UR/0080/65/038/009/2091/2096

AUTHOR: Kirilenko, Yu. K.; Mees, A. I.; Vol'f, L. A.

ORG: Leningrad Institute for the Textile and Light Industry im. S. M. Kirov (Leningradskiy institut tekstil'noy i legkoy promyshlennosti)

TITLE: Dehydration of polyvinyl alcohol fibers and modifications in the diene sections of the chain

SOURCE: Zhurnal prikladnoy khimii, v. 38, no. 9, 1965, 2091-2096

TOPIC TAGS: polyvinyl alcohol, synthetic fiber, dehydration, block copolymer, diene synthesis, ion exchange resin

ABSTRACT: The possibility of dehydrating polyvinyl alcohol (PVA) fibers to increase their moisture resistance without destroying their physical-mechanical properties was investigated, and also the possibility of modifying the dehydrated PVA fibers by graft polymerization. Dehydration of oriented PVA was attempted by heating in nitrogen to 220° C, in dilute adipic, maleic or boric acid to 180°, and in air to 220°. Dehydration was not effected in the first two media. Heat treatment in air for 5 min reduced the OH-group content by 5-7 mol%, and after 40 min by 10-40 mol%. This increased the moisture resistance but greatly reduced fiber strength. Treatment of PVA fibers in inert media (n-alkane, toluene,

Card 1/2

UDC: 542.936+547.361.2+54-126

L 11980-66

ACC NR: AP6000686

xylene,  $\text{CCl}_4$ ) under vacuum in nitrogen in the presence of a dehydrating agent (sodium or potassium bisulfate, benzene sulfonic acid, monosubstituted phosphates) at 75-200° up to several hours was more successful. Such treatment under mild conditions with potassium bisulfate imparted moisture resistance to the fibers with a minimum loss of physical-mechanical properties. Graft polymerization onto the conjugated double bonds formed by dehydration of the PVA fibers was effected with acrylonitrile, acrylic acid, vinyl acetate and vinyl pyridine. The dehydrated PVA fibers undergo a typical diene synthesis reaction with maleic anhydride to form a product which upon hydrolysis is a cationic exchange material with static exchange capacity up to 6 mg equiv./gm. Orig. ext. has: 2 tables and 4 equations.

SUB CODE: 07, 11/ SUBM DATE: 27Jan65/ ORIG REF: 010/ OTH REF: 002

OC  
Card 2/2

KIRILEUK, V.

CZECHOSLOVAKIA/Human and Animal Physiology (Normal and Pathological) T-1  
General Problems. Methods and Techniques of  
Investigations.

Abs Jour : Ref Zhur - Biol., No 11, 1958, 50450

Author : Antal, J., Kirileuk, V.

Inst :

Title : A Superior Method Registering Salivary Reflexes.

Orig Pub : Ceskosl. fyziol., 1957, 6, No 1, 99-103.

Abstract : No abstract.

Card 1/1

KIRILEUK, V.

CZECHOSLOVAKIA/Human and Animal Physiology - General Problems. V-1

Abs Jour : Ref Zhur - Biol., No 1, 1958, 3639

Author : Yu. Antal, V. Kiril'chuk

Inst :

Title : A Valuable Method of Registration Saliva Secretion Reflexes.

Orig Pub : Physiol. bohemosl., 1957, 6, No 1, 120-125

Abstract : No abstract.

Card 1/1

KIRILCEUK V  
RUSCAK, M.; KIRILCEUK, V.

Kaliemia and blood pressure. Česk. fysiol. 8 no.5:430-431 8 '59

1. Laboratorium neurofysiologie SAV a Fyziologicky ustav LFUK,  
Bratislava.

(POTASSIUM blood)  
(BLOOD PRESSURE physiol.)

KIRILEUK, V.

Effect of adrenalin and acetylcholine on salivation induced by accelerated respiration. Acta physiol. polon. 10 no.2:256-257 Mar-Apr 59.

1. Z Zakladu Fizjologii Wydzialu Lekarskiego Uniwersytetu im. Komenskiego w Bratislawie. Kierownik: prof. dr J. Antal.

(EPINEPHRINE, effects,  
on salivation induced by accelerated resp. (Pol))

(ACETYLCHOLINE, eff.  
same)

(RESPIRATION,  
accelerated resp. inducing salivation, eff. of acetyl-  
choline & epinephrine (Pol))

(SALIVATION, Physiol.  
same)

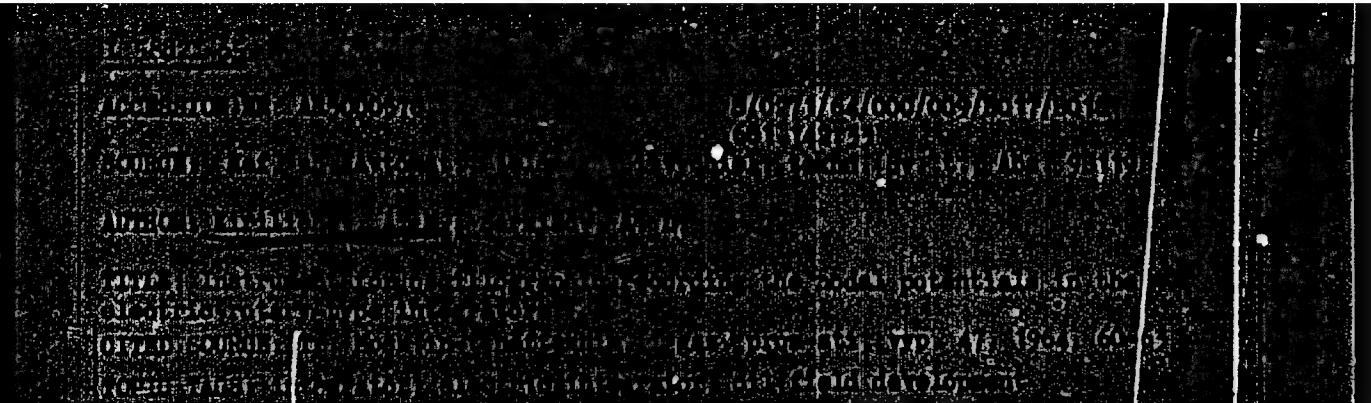
BEIASH, F.M.; KIRILICHOV, A.M.

Certain problems in the designing of net integration and  
methods for solving problems of nonsteady gas flow. (trv. vys.  
ucheb. zav.; neft' i gaz 6 no. 7:23.80 '63. (M.RA. 27:8)

1. Moskovskiy institut neftekhimicheskogo i gaza i vody  
znanosti imeni akademika M. Gorkogo.

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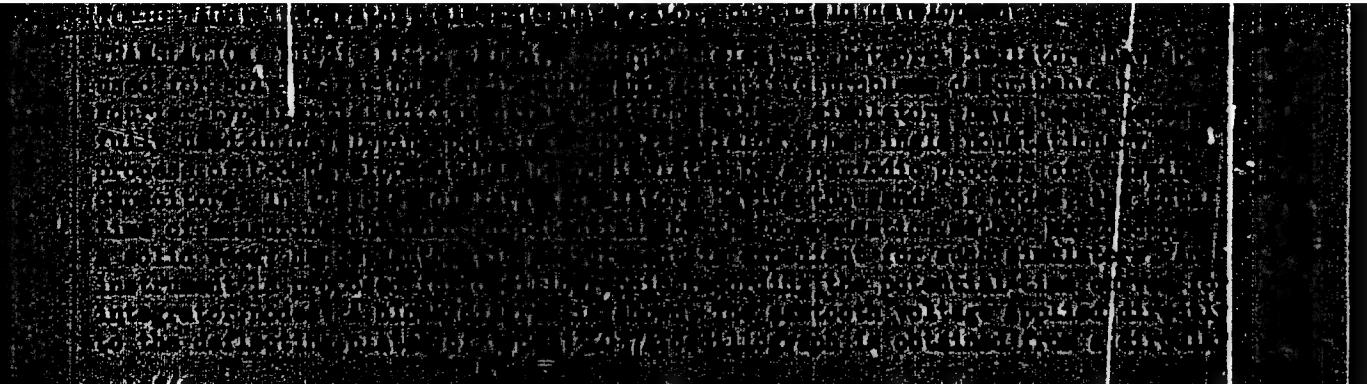


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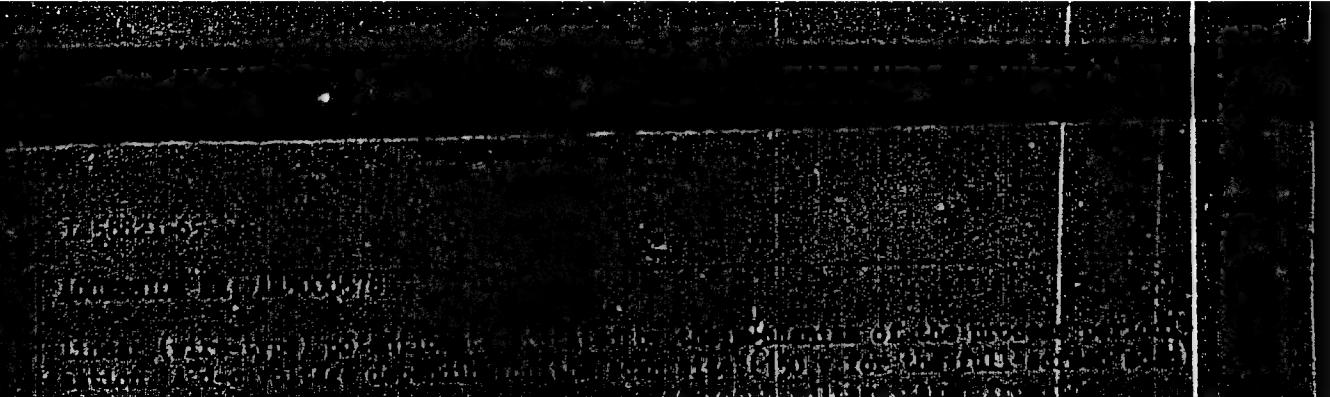


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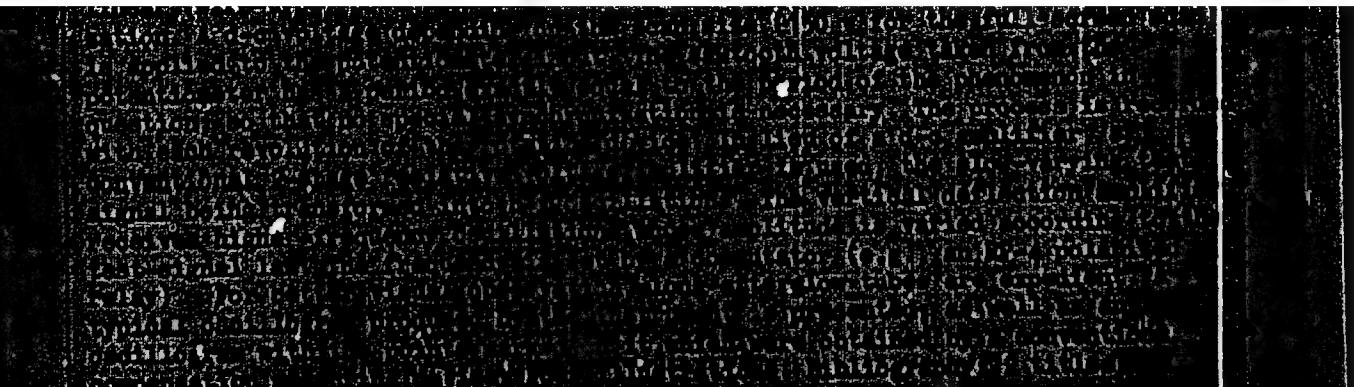


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L 07121-67 EWT(d)/EWP(1) IJP(c) BB/GG/JXT(CZ)

ACC NR: AT6017644 (A) SOURCE CODE: UR/2982/65/000/058/0092/0094

AUTHOR: Belash, P. M.; (Professor); Kirilichev, A. M.; Kochetkov, G. M.

ORG: none

TITLE: Modernization of "Minsk-1" digital computer

SOURCE: Moscow. Institut neftekhimicheskoy i gazovoy promyshlennosti. Trudy, no. 58, 1965. Elektronika i vychislitel'naya tekhnika v neftyanoy, gazovoy i khimicheskoy promyshlennosti (Electronics and computer engineering in the petroleum, gas, and chemical industry), 92-94

TOPIC TAGS: digital computer/Minsk 1 digital computer

ABSTRACT: The problems handled by the MINKh and GP computing laboratory involved a very wide range of initial data and intermediate and final results (petroleum and gas fields calculations). The instruction stop provided in the "Minsk-1" computer for the convenience of programming work did not meet all the requirements of this particular application. Hence, the computer circuits were

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modified to provide for additional automatic stops at the moment of recording the current computation result in the internal storage. These four advantages are listed: (1) Easier location of programer's or puncher's mistakes; (2) Use of interpretive routine for transferring from the fixed-point to the floating-point arithmetic; (3) Easier control transfer to a different interpretive part of the program; (4) Checking the correctness of the problem solving course. "Senior Engineer V. G. Ronzhin and Laboratory Worker A. S. Fedorov took part in the work." Orig. art. has: 1 figure.

SUB CODE: 09 / SUBM DATE: none

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L 07117-67 EWT(d)/EWP(1) JP(c) BB/CG

ACC NR: AT6017645 (A) SOURCE CODE: UR/2982/65/000/058/0095/0097

AUTHOR: Belash, P. M. (Professor); Kirilichev, A. M.; Kochetkov, G. M.

ORG: none

TITLE: Increasing the internal-storage capacity in the "Minsk-1" digital computer

SOURCE: Moscow. Institut neftekhimicheskoy i gazovoy promyshlennosti. Trudy, no. 58, 1965. Elektronika i vychislitel'naya tekhnika v neftyanoy, gazovoy i khimicheskoy promyshlennosti (Electronics and computer engineering in the petroleum, gas, and chemical industry), 95-97

TOPIC TAGS: digital computer / Minsk 1 digital computer

ABSTRACT: Most of the problems in the petrochemical and gas industries handled by the MINKh and GP computing laboratory involved a very large volume of source data (hundreds to tens of thousands of numbers). The "Minsk-1" internal storage consisting of 1024 31-digit binary words proved inadequate. A second magnetic-

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ACC NR: AT6017645

storage unit was installed in the computer which doubled its capacity. Technical details of this work are reported in this short article. "Senior Engineer V. G. Ronzhin and Senior Laboratory Worker B. A. Turkin took part in the work."

Orig. art. has: 3 figures.

SUB CODE: 09 / SUBM DATE: none

Card 2/2. espr

Kiril Licheva, K.U.

365.71

PAGE 1 BOOK REPORTER

807/21/22

## BUREAU OF INTELLIGENCE

Report on the Agro-ecological Conditions (Problem 2a Agriculture) in the Kirovograd Oblast, Ukraine, 1956, 121 p. (Series 125, Vol. 72). Printed 1957. 2,500 copies printed.

Reporting Agency: BSS. Glavnoye upravleniye gosplan-  
sudostroya.

22. (Title Page) 1. N.S. Matrenko, N. P. Zhdanov,  
S. S. Sip, I. A. Slobodchikov, and N. I. Bryzgalov.

NOTE: This issue of the Institute's translation is intended for  
agriculturalists and agriculturists.

NOTE: This collection of articles discusses various aspects of  
agriculture, namely the effect of climatic conditions  
on various crops. Individual papers discuss the agro-ecological  
conditions, including the growth of spring wheat, clover,  
cotton, millet, and buckwheat. A. Tchernykh's discussion  
concerns the effect of climatic conditions which  
prevail over a relatively large territory in the Chern-  
obyl zone and its effect on the  
soil and crops.

CONTENTS:  
A.3. Agro-ecological Evaluation and Forecast  
of Crop Development Conditions for Spring Wheat Under Operative  
Field Management 43

43. The Agro-ecological Factors Behind the Spring  
Wheat Yield and Structure in European USSR 50

50. Characterizing the Nizov District in Relation to  
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50. Characterizing the Nizov District in Relation to  
Soil and Climate (Very Fine Condition) 50

BELASH, F.M.; KIRILICHEV, A.M.

Solution of nonsteady petroleum and gas flow problems in networks of ohmic resistances only. Izv. vys. ucheb. zav.; neft' i gaz. 6 no. 587-90 '63 (MIRA 17:7)

1. Moskovskiy institut nefttekhimicheskoy i gazovoy promyshlennosti imeni akademika I.N.Gubkina.

KIRILICHEVA, K.V.

Optimal soil moisture and the yield of spring wheat in Western  
Siberia and the northern half of Kazakhstan. Meteor. i gidrol.  
no.11:43-47 N '63. (MIRA 16:11)

1. TSentral'nyy institut prognozov.

# KIRILICH EVA, KLAUDIYA VASIL'YEVNA

VENTSKOVICH, Georgiy Zenonovich; KIRILICHeva, Klaudiya Vasil'yevna;  
RUDNEV, Vasiliy Mikhaylovich; PROTOPOPOV, V.S., redaktor;  
SOLOV'YCHIK, A.A., tekhnicheskij redaktor

[Using a knowledge of climate and weather in fruit growing]  
Ispol'zovanie znanii o klimate i pogode v plodovodstve. Pod  
red. G.Z.Ventskovicha. Leningrad, Gidrometeor, izd-vo, 1957.  
73 p. (MLRA 10:7)  
(Meteorology, Agricultural) (Fruit culture)

KIRILICHEVA, K.V.

Results of evaluating the condition of fruit trees in the spring  
of 1956. Trudy TSIP no.72:84-121 '58. (MIRA 12:1)  
(Fruit trees--Frost damage)

S/018/61/000/006/001/001  
D053/D113

AUTHOR: Kirilin, I., Lt Colonel

TITLE: Radiation monitoring

PERIODICAL: Voyenny vestnik, no. 6, 1961, 49-51

TEXT: The author discusses radiation monitoring - irradiation and contamination monitoring - in the Soviet armed forces stating that it should be conducted continuously regardless of the individual combat mission and position of units in the battle order. Units in rear areas can be subjected to much greater radiation hazards than units near the enemy. For example, in the author's opinion, it is advisable to organize simultaneously an individual and a group radiation monitoring in a rifle company (artillery battery). The personnel monitoring can be on individual or group lines; the former being carried out with the use of compact ionization chambers from the kit consisting of ДП-23 (DP-23) individual dosimeters and ДП-70 (DP-70) chemical dosimeters; the latter being conducted with the use of ДП-2 (DP-2) or ДП-3 (DP-3) roentgenmeters or ДП-63 (DP-63) radioactivity indicators. The rate of radioactive contamination of personnel, armament, and military equipment should be monitored with the use of ДП-12 (DP-12) or ДП-115

Card 1/2

Radiation monitoring

S/018/61/000/006/001/001  
D053/D113

(DP-11B) radiometers. In individual monitoring, a chemical dosimeter should be issued to every soldier. The platoon commander should periodically check the dosimeters of soldiers exposed to irradiation. Moreover, the sergeant major should issue two ДС-50 (DS-50) individual dosimeters from the DP-23 kit to each squad. Company officers should be issued with direct-reading ДКП-50 (DKP-50) dosimeters from the DP-23 kit. In group monitoring, the DP-63 radioactivity indicator, which is assigned to the company, can be used. The radiation monitoring at battalion level is regulated by the battalion commander.

Card 2/2

KIRIIN, I.V., inzh.

Reconstruction of tool room in the Krybyshev District. Ser. 205.  
Month. 35 no. 232 3 1961. (II A 14:2)

(Masonry-Block-heating)  
(Automatic control)

KIRILIN, I.V.

Defects in designing and building apartment houses. Gor. khoz.  
Mosk. 37 no.7:11-13 J1 '63. (MIRA 16:11)

KIRILIN, N. M.

"Investigation of the Distribution of Turning Moments in Longitudinal Rolling." Cand Tech Sci, Central Sci Res Inst of Technology and Machine Construction, Min Heavy Machine Construction USSR, Moscow, 1954. (KL, No 7, Feb 55)

Sub: Sum. No. 631, 26 Aug 55-Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (14)

KIRILIN, N. M.

37

PHASE I BOOK EXPLOITATION SOV/5985

Rokotyan, Ye. S., Doctor of Technical Sciences, ed.

Prokatnoye proizvodstvo; spravochnik (Rolling Industry; Handbook) v. 1. Moscow, Metallurgizdat, 1962. 743 p. Errata slip inserted. 9250 copies printed.

Authors of this volume: B. S. Azarenko, Candidate of Technical Sciences; V. D. Afanas'ev, Candidate of Technical Sciences; M. Ia. Brown, Engineer; M. P. Vavilov, Engineer; A. B. Vernik, Engineer; K. A. Golubkov, Engineer; S. I. Gubkin, Academician, Academy of Sciences BSSR; A. Ye. Gurvich, Engineer; V. I. Davydov, Candidate of Technical Sciences; V. G. Drozd, Engineer; N. F. Tersolayov, Engineer; Ye. A. Zhukovich-Stopha, Engineer; N. M. Kirilin, Candidate of Technical Sciences; M. V. Kovzunov, Engineer; A. M. Kogos, Engineer; A. A. Korolov, Professor; N. Ye. Kugayenko, Engineer; A. V. Laskin, Engineer; B. A. Levitan'skiy, Engineer; V. M. Lugovskoy, Engineer; I. M. Moyerovich, Candidate of Technical Sciences; M. S. Ovcharov, Engineer; V. I. Pasternak, Engineer; I. L. Perlin, Doctor of Technical Sciences; I. S. Pobedin, Candidate of Technical Sciences; Ye. S. Rokotyan, Doctor of Technical Sciences; M. M. Saf'yan, Candidate of Technical Sciences; V. V. Smirnov, Candidate of Technical Sciences; O. P. Sokolovskiy, V. S. Smirnov, Corresponding Member, Academy of Sciences USSR; O. P. Sokolovskiy,

Card 1/3

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Rolling Industry; Handbook

SOV/5985

Engineer; O. P. Solov'yev, Engineer; M. A. Sidorkovich, Engineer; Ye. M. Trot'yakov, Engineer; I. S. Trishovskiy, Candidate of Technical Sciences; G. N. Khankin, Engineer; and A. I. Iselikov, Corresponding Member, Academy of Sciences USSR. Introduction: A. I. Trelkov, Corresponding Member, Academy of Sciences USSR; Ye. S. Blokotyan, Doctor of Technical Sciences; and L. S. Al'shevskiy, Candidate of Technical Sciences.

Eds. of Publishing House: V. M. Gorobinchenko, R. M. Golubchik, and V. A. Rymov; Tech. Ed.: L. V. Dobushinskaya.

**PURPOSE:** This handbook is intended for technical personnel of metallurgical and machine-building plants, scientific research institutes, and planning and design organizations. It may also be useful to students at schools of higher education.

**COVERAGE:** The fundamentals of plastic deformation of metals are discussed along with the theory of rolling and drawing. Methods of determining the power consumption and the forces in rolling with plane surface or grooved rolls are .

Card 2/2

## Rolling Industry; Handbook

SOV/5985

2. Highest permissible partial (per pass) deformations	160
3. Formulas for determining the stresses in drawing	161
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## PART II. EQUIPMENT OF ROLLING MILLS

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Ch. 10. Parts and Mechanisms of a Rolling-Mill Stand (N. M. Kirilin, V. V. Smirnov)	

Card 9/19

AZARENKO, B.S., kand. tekhn. nauk; AFANAS'YEV, V.D., kand. tekhn. nauk; BROVMAN, M.Ya., inzh.; VAVILOV, M.P., inzh.; VENIJK, A.B., inzh.; GOLUBKOV, K.A.; GUBKIN, S.I., akademik [deceased]; GUREVICH, A.Ye., inzh.; DAVYDOV, V.I., kand. tekhn. nauk; DROZD, V.G., inzh.; YERMOLAYEV, N.F., inzh.; ZHUKOVICH-STOSHA, Ye.A., inzh.; KIRILIN, N.M., kand. tekhn. nauk; KOVYNEV, M.V., inzh.; KOGOS, A.M., inzh.; KOROLEV, A.A., prof.; KUGAYENKO, M.Ye., inzh.; LASKIN, A.V., inzh.; LEVITANSKIY, B.A., inzh.; LUGOVSKIY, V.M., inzh.; MEYEROVICH, I.M., kand. tekhn. nauk; OVCHAROV, M.S., inzh.; PASTERNAK, V.I., inzh.; PERLIN, I.L., doktor tekhn. nauk; POBEDIN, I.S., kand. tekhn. nauk; ROKOTYAN, Ye.S., doktor tekhn. nauk; SAF'YAN, M.M., kand. tekhn. nauk; SMIRNOV, V.V., kand. tekhn. nauk; SMIRNOV, V.S.; SOKOLOVSKIY, O.P., inzh.; SOLOV'YEV, O.P., inzh.; SIDORKEVICH, M.A., inzh.; TRET'YAKOV, Ye.M., inzh.; TRISHEVSKIY, I.S., kand. tekhn. nauk; KHENKIN, G.N., inzh.; TSELIKOV, A.I.; GOROBINCHENKO, V.M., red. izd-va; GOLUBCHIK, R.M., red. izd-va; RYMOV, V.A., red. izd-va; DOBUZHINSKAYA, L.V., tekhn. red.

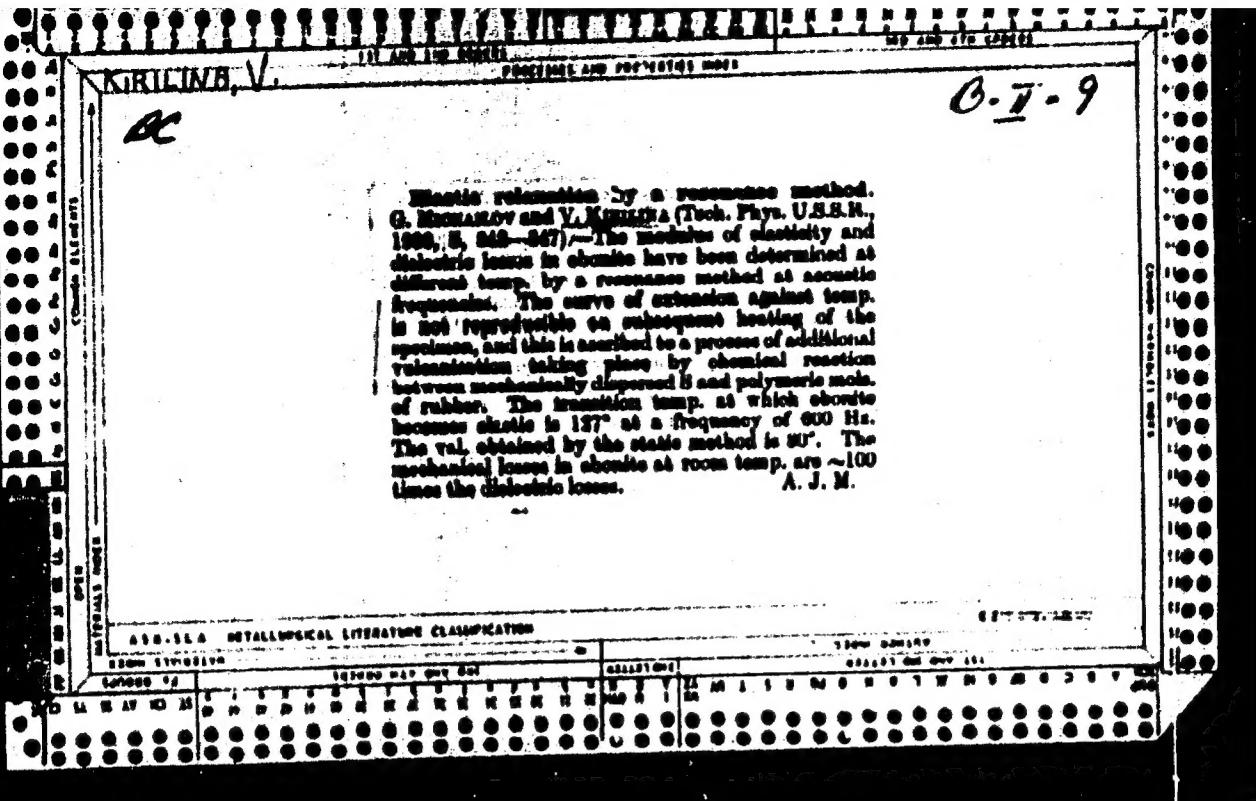
[Rolling; a handbook] Prokatnoe proizvodstvo; spravochnik. Pod red. E.S.Rokotiana. Moskva, Metallurgizdat. Vol.1. 1962. 743 p.  
(MIRA 15:4)  
1. Akademiya nauk BSSR (for Gubkin). 2. Chlen-korrespondent Akademii nauk SSSR (for Smirnov, TSelikov).  
(Rolling (Metalwor))—Handbooks, manuals, etc.)

FRIDMAN, Ye.I.; Prinimali uchastiye: BELYAYEV, M.M.; GONCHAROVA, T.A.;  
GUBANOVA, N.F.; KUZNETSOVA, T.I.; KIRILINA, R.A.

Using some electric insulating enamels for coating radio equipment.  
Lakokras. mat. 1 ikh prim. no.6:42-45 '61. (MIRA 15:3)  
(Radio—Equipment and supplies) (Enamel and enameling)

KIRILINA, S.V.

Mollusks of the lower terraces of rivers of the cis-Ural portion of  
Bashkiria. Vop. geol. vost. okr. Rus. platf. 1 Uzh. Urala no. 5:145-  
185 '60. (MIRA 14:5)  
(Bashkiria—Mollusks, Fossil)



KIRILINA, V.

"Study of Elastic Relaxation by a Resonance Method," Rubber Chem. Tech., 40, No.14, 1946.

Industrial Inst., Leningrad

BRAVYY, Z.A.; KIRILINA, V.Z., st. nauchn. sotr., red.; NOSKOV,  
R.F., red.; BRATISHKO, L.V., tekhn. red.

[Rapid method for determining the breaking length of cot-  
ton yarn] *Ekspresnyi metod opredeleniya razryvnoi dliny*  
*khlopcato-bumazhnoi priazhi. Moskva, 1962. 63 p.*  
(MIRA 17:3)

1. Moscow. Tsentral'nyy institut nauchno-tehnicheskoy in-  
formatsii legkoy promyshlennosti.